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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/Caplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/Caplus
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	20	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	21	JUN 13	FRFULL enhanced with patent drawing images
NEWS	22	JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	23	JUL 01	MEDICONF removed from STN
NEWS	24	JUL 07	STN Patent Forums to be held in July 2005
NEWS	25	JUL 13	SCISEARCH reloaded
NEWS	26	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS EXPRESS			JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that

specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:04:11 ON 22 JUL 2005

=> FILE REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:04:19 ON 22 JUL 2005

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STRUCTURE FILE UPDATES: 21 JUL 2005 HIGHEST RN 856430-35-8

DICTIONARY FILE UPDATES: 21 JUL 2005 HIGHEST RN 856430-35-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> S TCGCGAACGTTTCG/SQSN

L1 125 TCGCGAACGTTTCG/SQSN

=> D KWIC SQL IDE 1-125

'IDE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
 SAM - Index Name, MF, and structure - no RN
 FIDE - All substance data, except sequence data
 IDE - FIDE, but only 50 names
 SQIDE - IDE, plus sequence data
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
 SQD - Protein sequence data, includes RN
 SQD3 - Same as SQD, but 3-letter amino acid codes are used
 SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
 EPROP - Table of experimental properties
 PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
 APPS -- Application and Priority Information
 BIB -- CA Accession Number, plus Bibliographic Data
 CAN -- CA Accession Number
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
 IND -- Index Data
 IPC -- International Patent Classification
 PATS -- PI, SO
 STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
 IBIB -- BIB, indented, with text labels
 ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
 HELP FORMATS -- To see detailed descriptions of the predefined formats.
 ENTER DISPLAY FORMAT (IDE):SQIDE

L1 ANSWER 1 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 839662-48-5 REGISTRY
 CN GenBank AC157669 (9CI) (CA INDEX NAME)
 FS NUCLEIC ACID SEQUENCE
 SQL 140965
 NA 42353 a 28105 c 27844 g 42062 t 601 n

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 LC STN Files: GENBANK

L1 ANSWER 2 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 827550-70-9 REGISTRY
 CN GenBank AP008218 (9CI) (CA INDEX NAME)
 FS NUCLEIC ACID SEQUENCE
 SQL 27566993
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L1 ANSWER 3 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 827550-66-3 REGISTRY
 CN GenBank AP008214 (9CI) (CA INDEX NAME)
 FS NUCLEIC ACID SEQUENCE
 SQL 28434780
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 CI MAN
 SR GenBank
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L1 ANSWER 4 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 826334-64-9 REGISTRY
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MF Unspecified
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SR GenBank
LC STN Files: GENBANK

L1 ANSWER 5 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN
RN 826087-90-5 REGISTRY
CN DNA (Phytophthora infestans strain 88069 clone PVrpbv_5634 EST (expressed sequence tag)) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank CV951835
FS NUCLEIC ACID SEQUENCE
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HITS AT: 199-211

MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS, GENBANK, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 6 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN
RN 825434-16-0 REGISTRY
CN DNA (Phytophthora infestans strain 88069 clone PD017F9 EST (expressed sequence tag)) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank CV902053
FS NUCLEIC ACID SEQUENCE
SQL 552
NA 90 a 162 c 149 g 151 t

SEQ 1 tgcggtaccg gtccggaatt cccgggtcga cccacgcgtc cgtc
<-----User Break----->

=> D KWIC SQL SQIDE 6-125
'SQIDE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN

SAM - Index Name, MF, and structure - no RN
 FIDE - All substance data, except sequence data
 IDE - FIDE, but only 50 names
 SQIDE - IDE, plus sequence data
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
 SQD - Protein sequence data, includes RN
 SQD3 - Same as SQD, but 3-letter amino acid codes are used
 SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
 EPROP - Table of experimental properties
 PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
 APPS -- Application and Priority Information
 BIB -- CA Accession Number, plus Bibliographic Data
 CAN -- CA Accession Number
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
 IND -- Index Data
 IPC -- International Patent Classification
 PATS -- PI, SO
 STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
 IBIB -- BIB, indented, with text labels
 ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
 HELP FORMATS -- To see detailed descriptions of the predefined formats.
 ENTER DISPLAY FORMAT (IDE):SQIDE

L1 ANSWER 6 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 825434-16-0 REGISTRY
 CN DNA (Phytophthora infestans strain 88069 clone PD017F9 EST (expressed sequence tag)) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank CV902053
 FS NUCLEIC ACID SEQUENCE
 SQL 552
 NA 90 a 162 c 149 g 151 t

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LC STN Files: CA, CAPLUS, GENBANK, TOXCENTER

DT.CA Cplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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RN 819790-47-1 REGISTRY

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191201	tgagctggca	tgtatggggc	gggctgactc	tcagagcccc	atgggagccg
191251	gcacctctaa	tacaggtggg	gggagttagt	ctagggaggg	aaggcagctc
191301	tgagctagca	tgtatggggc	gggctgactc	tcagagcacc	ctgggagccg
191351	gcacctctaa	tacagatggg	gggagttagt	ctagggaggg	aaggcagctc
191401	tgagctggca	tgtatggggc	aggctgacac	tcagagcacc	ctgggagccg
191451	gcacctctaa	tacagatggg	gggaatagtg	ctagggaggg	aaggcagctc
191501	tgagctagca	tgtatggggc	aggctgactc	tcagagcacc	ctgggagccg
191551	gcacctctaa	tacaggtggg	gggaatagtg	ctagggaggg	aaggcagctc
191601	tgagctggca	tgtatggggc	gggctgactc	tcagagcccc	ctgggagccg
191651	gcacctctaa	tacaggtggg	gggaatagtg	ctagggaggg	aaggcagctc
191701	tgagctggca	tgtatgggag	gggctgactc	tcagagcccc	ctgggagccg
191751	gcacctctaa	tacaggtggg	gggaatagtg	ctagggaggg	aaggcagctc
191801	tgaactagca	tgtatggggc	gatattttcc	tccccctctc	ctcgtagcat
191851	gtcaggaaca	gcaccttgga	gatcctgaga	ctctccttct	cctctgtaaa
191901	tgcacctcct	ccacaggttg	ctctactaca	gattcctcca	cacgaacatt
191951	ccttctcacc	attttcacaa	aggatggttt	aggtagagaa	aggcaatgct
192001	ttaccaaagt	gtcatttgac	ccacaaagat	ggcacttttt	agcttttttg
192051	cactcagctg	ttttgttccc	tgactggaag	caattacaac	agcattgtcc
192101	agttagtgat	agtgaatctg	ttccaaaacg	gcgaaaatgt	tgtgcggcaa
192151	agaaaattgt	cgcccgtgac	tactcttttg	tcacgcagct	attattttgt
192201	caccgcggcg	tattttgtcg	cacagctatt	attttgtcgc	ccgtggctat
192251	tatttcgtcg	cgaggctatt	cttttgacgc	ccgcgactat	tcttttttga
192301	tgccagcgat	aatttttggg	tgtacagcga	atttttccgt	ggcaaatttt
192351	ttcatccatt	tcgcgaaaca	atccaccaat	ggcgaaatgc	agaaattcac
192401	cgcgaaatcca	tgccctggaga	aacatttcac	ccatcactat	tgtccagtag
192451	tacagctctc	ttttaaatgt	ctgaactgaa	aacagttcct	acaaaatgta
192501	ggctgaccag	ggtaaaaaag	ataaccatgg	ttattttccaa	tagagaaagc
192551	ctgcggaggg	tgcttaagtc	caccgacacc	atccttgtcc	cgatgaact
192601	gcacccaaaa	tcttttttgg	ccgttaaaat	tacccaatag	gtttctcttt
192651	tttctctccg	gggatacggg	atcacagtaa	ttcctcagga	aagtccttat
192701	ttcctctcca	gagacaaaag	gactgtccat	gtgtgctgtt	accggtacct
192751	tctgctttga	tgtagtttcc	aatgactcca	tccctttcat	atccggatga
192801	ttaataaatt	cttgactcct	cgcaaaacaa	gtctgcagat	ctttcaattg
192851	aaaaaatgtc	acgtcaaaaa	ctccttttgc	tctttcattt	caggcttgct
192901	cctaagtgtt	ctttgcagtg	aggcaaactc	ggaaatgttt	ggaggtttgg
192951	ttctttagtg	gcagaacggg	aagggtgcaa	cccaactgtt	gtaattgtct
193001	ctaaaggagt	ctatttcaca	tgccctgcgt	ctcagcactc	atccccact
193051	atcaccagtg	caagtctttg	tgcataggga	gcatcatatg	gatgtaagaa
193101	tgtctctcct	caaccagagc	aggatttcag	catctttatc	aatggcagga
193151	atgtgattag	cggaaaggga	tacgatactc	tggcatgtaa	ggagggaatt
193201	cctctgcttt	tataaaatat	accctactgt	ctcctaggta	ttacaataaa
193251	ttcgctatag	aaattagatt	gttatatttg	cataaaccat	gaatgagcat
193301	tataaagggt	aaattaacct	attattttaat	aattactcct	ggctgaaatt
193351	agtgcagata	aattgccata	ttatactcac	cagtgtgtaa	ccatagttac
193401	ccagtaactg	ggctaagacg	atagttgagg	cagaatacag	atltccaata
193451	aaaccaatta	tcccttggtc	cctacaggag	taattgggaa	tggatttccc
193501	tggtcctgat	aatatctgca	gggcacttcc	cactgctaaa	tggggcgag
193551	agcaagaatc	aaacaggtga	tacccagag	tgatgttggg	taacaggtca
193601	gggttccggt	tgatctcatc	aatggcaaat	ggaagcatgc	ggagtcttct
193651	atagagatca	taatcgggac	tgtggaaata	tatcggtagc	attagagaca
193701	ctgtaacaaa	gaggcccaac	ttgtacgtct	gcagatgctc	tttgcataaa
193751	aaatatgtat	ttccttgatg	gttgggtcat	ttttttgtat	tagaaaggaa
193801	taatgggaat	gcgccagtat	tgattttgtt	atactgtatg	aactggctag
193851	ggcaataaat	gtgggtatct	gtgtgctcag	tatcggttaa	tgtgtatgct
193901	gccgtatag	caggcaatta	tcqaatgagg	gtcctgctga	gttgtacagg
193951	gaaatcccta	cattcatgtt	atctctctgt	aaaagttatt	tgtccttttg
194001	tgcagagacc	cattaaaggg	aaactaaacc	ctgctgctca	gcgtgactca
194051	agcaaatgct	actcagctgt	tgctggacta	caaattcccag	cataatgtaa

194101	catgaagaat	gaggcatgct	gggtagtgat	gagcgaatct	gtcccatttc
194151	actttgccat	aaaattcgtg	aaatgccaag	aaaagtctga	ccagtaacca
194201	cactgtcaaaa	taattaattt	tgttatttca	ttgatttgcc	gaattgtatt
194251	tcatttttgt	gattttattg	cagttttaga	cttgacattgt	tgtttgttgc
194301	attgctttta	gtgcagcttt	accgtttgg	gtagaaagat	gaccataccc
194351	atgtgggatt	tgtcagaatg	tgtactttcc	aaatgaaatg	gttttcaggg
194401	gtcaccctat	atttttgcct	ctttcactcc	acttctcatg	tgtttatgaa
194451	taagggtaaa	tgtaagccat	gaaaatagtc	tgcaacaaggc	atattttggg
194501	atgagtaaat	ctgtcccgtt	ttgatttgcc	gaaaaattag	cgaaattgtg
194551	aaaatgctac	gcatgaaaag	agagagaaga	tatgagagac	aattcttttg
194601	atgctgggtg	caattttcgg	acgtgaatcc	atacctgcc	aattttttca
194651	tccatcacta	gcctgttagt	gccatgtact	ttgataaagc	tatacatatt
194701	gggcatcaaa	ctgttcagta	ggcccctggc	gttcatattt	agggtgtttt
194751	atatggcttc	ctaatagcct	gtgagagaaa	agatgggtgca	atgtcgccaa
194801	ttttagaaaa	gctttgcggc	ttgggtactt	ggagtagaaa	gacatgggta
194851	cccatttttg	atgttgagga	atgtgtactt	tccaaaatat	gtttttctgg
194901	ggtaaactta	gttttttata	gctttacccc	cataaaatgc	agtaaattgtg
194951	ttgattttgc	agcaactgaa	attacagaaa	ccatatgggg	gtattttcat
195001	tttggggccc	ctacatacat	acttaggtaa	acctatgcac	attgggtatc
195051	aaactgttat	atggaccctc	ggcattcata	tttaggggtg	ttttccttgg
195101	tacctaata	tatgcagatt	tctggggcag	cgctttcgaa	aattagtagg
195151	tactactggg	agtttttgca	agtgagaaat	ctccataaaa	ctatatatat
195201	ttgaaaaaaa	aaaaaatttt	tttttcattt	tttagacaat	tagagtccta
195251	tattgtgtta	cagaattgga	attacacaaa	cattctagca	tattttgaaa
195301	gcttagcttg	tcccaaaaaa	acaatatatt	attttcccag	gtaaactaaa
195351	agtgcctct	aggaaaggcc	cctaaagtga	aagagcgcaa	aatgttcaaa
195401	cacggctctg	caatacaagt	tccgctttga	ccaaatcatc	tggcagttac
195451	tgggttaaa	tacatgattc	tgacctgttt	gcaaaacttg	tttttgtcta
195501	tcaaattttt	tgtttgacct	ttttatttta	caggcaaaat	tgttccagtt
195551	tttaaaagt	aacccagtca	cacagactta	aaaaattctc	aagaaatatt
195601	tctcaagtat	tttgggtcaat	aatggtaaaa	agcaaaaaat	gtttgtgagc
195651	tctctgcacc	tagaaatgta	gtgagctctc	tgtacctaga	acactaaggc
195701	tggactcata	tttggaggaa	aaagaaagga	aatacatgtt	gctaattggaa
195751	tgccctgccct	gctgtgcaac	gtaactctgg	ggttgaaatga	aagtgtctcag
195801	ctcattgctc	catggtttta	ttcagtttaa	aaagaaataa	tatacgtcac
195851	ttttttttcc	attttccacag	gaaagcataa	tgtaataaca	ggtgggtgca
195901	actgaagtag	ctgagaatgt	gcggcacaaa	agaatttaaa	gtggtaggat
195951	agaagtgtgt	gttgatcttg	atgttggtgt	gttatagaat	aaaacaagtt
196001	gtagtactgt	gcatgttaca	gaaggactcc	ccgtgtaaaa	aatactgaaa
196051	atagaacttg	catagaaaaa	tgcatatatt	taagctaata	aattataaag
196101	aaaaaaggaa	ataattttgt	gaatgaagat	aaaaccttac	tgtacgcaga
196151	caggtatgta	tttcacagca	ttatctggta	tacgatgcac	cccagtggtc
196201	acagagaaga	ctcctccaat	gatgatgtct	ccatcctgaa	tgagttcata
196251	ttcatacttg	ggcttggtca	ggggaatacg	gcacggtgag	tctgaccac
196301	tacagctcag	actgcaggat	ggtaaccata	tggctgccag	gcagaacaac
196351	actttcagct	gatcagatga	gagacctctg	gttaaagact	gtagaagatg
196401	tgtcattgct	ttagtataaa	attataaaaa	ttgttctgag	gagctaaaaa
196451	tccattgctc	ctctgatagt	ggaaatgtat	ctgcgcatca	gtctccttat
196501	atatattctc	tgccctgggtga	tatttctctg	gttctgtgtg	tagaacctgt
196551	aagtgtatta	ttcctgaacc	ccccaatgtc	cacttctggc	tcctacaaat
196601	aaactctgta	attgtcaaaa	catattatta	ttattattaa	gatttttttt
196651	tctttgactt	gtatttcttg	acaggaataa	acatgaaagt	ttgaaacaaa
196701	ttctgacttt	tgtatatatta	ttttttttaa	cttggtttta	ttaaacttag
196751	aatataatta	gaaatgctgt	attttctaca	cagaacagaa	acattatgaa
196801	cttactgcac	cagcccagag	gtcgagaagc	ctaattatag	taaagattta
196851	ggctttcaaa	gttttccaca	gggggctgcc	atcttggttac	tttggttagac
196901	tatcttttgt	aaaccaaggg	cttgcacatg	ctcaatgagc	tctgggctgc
196951	tggtgggagg	cggagcttag	ggattgtagt	aaattatcaa	aacaaacaac
197001	acaagtcaca	taacatctgc	catagaagct	gatacagcaa	agctgattaa
197051	taataagaat	aatatgcaga	ctgcactggg	tcctgtgttg	ccctgtaatg
197101	taatgtgggg	tttagagtgt	ttgcattgtt	taatgaaaca	tttcccagct
197151	ctccagagcc	agtggctgca	ttaatatgca	aaagaatcct	ccaatgagaa
197201	tcccagctga	tgtgagtaaa	tccggctccc	tgttctctgt	tcctgcaatt
197251	ggagttggga	gcaataagca	cagtttccca	gcactgaaca	agtctgtccc

197301 tttatcccca tgtctgattc ctgtgccata caatgatggg gaaaatgatg
197351 ttattttcta aatatgtaag ataatttaaa tagctgacat atagtgggtg
197401 gaatctaac agaattctca ttggttaatc tataattttt tcttcaacat
197451 cta

<-----User Break----->

=> D HISTORY

(FILE 'HOME' ENTERED AT 13:04:11 ON 22 JUL 2005)

FILE 'REGISTRY' ENTERED AT 13:04:19 ON 22 JUL 2005
L1 125 S TCGCGAACGTTTCG/SQSN

=> FILE USPATFULL CAPLUS GENBANK

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

168.89

169.10

FILE 'USPATFULL' ENTERED AT 13:09:58 ON 22 JUL 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 13:09:58 ON 22 JUL 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'GENBANK' ENTERED AT 13:09:58 ON 22 JUL 2005

=> S L1

L2 150 L1

=> REMOVE DUPLICATES L2

DUPLICATES IS NOT VALID HERE

The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/Q	- delete query names starting with BIO
DELETE ?DRUG/A	- delete answer set names ending with DRUG
DELETE ?ELEC?/L	- delete L-number lists containing ELEC
DELETE ANTICOAG/S	- delete SDI request
DELETE ENZYME/B	- delete batch request
DELETE .MYCLUSTER	- delete user-defined cluster
DELETE .MYFORMAT	- delete user-defined display format
DELETE .MYFIELD	- delete user-defined search field
DELETE NAMELIST MYLIST	- delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C	- delete print request
DELETE D134002C	- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or

NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

```
DELETE L21           - delete a single L-number
DELETE L3-L6         - delete a range of L-numbers
DELETE LAST 4        - delete the last 4 L-numbers
DELETE L33-          - delete L33 and any higher L-number
DELETE -L55          - delete L55 and any lower L-number
DELETE L2-L6 RENUMBER - delete a range of L-numbers and
                      renumber remaining L-numbers
DELETE RENUMBER       - renumber L-numbers after deletion of
                      intermediate L-numbers
```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```
DELETE SAVED/Q - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED   - delete all saved queries, answer sets,
                  and L-number lists
DELETE SAVED/S - delete all SDI requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all user-defined clusters
DELETE FORMAT  - delete all user-defined display formats
DELETE FIELD   - delete all user-defined search fields
DELETE SELECT  - delete all E-numbers
DELETE HISTORY - delete all L-numbers and restart the
                  session at L1
```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```
=> DUP REM L2
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L2
L3      139 DUP REM L2 (11 DUPLICATES REMOVED)
```

```
=> L3 AND py<2001
L3 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

```
=> S L3 AND py<2001
L4      13 L3 AND PY<2001
```

```
=> D L4 KWIC BIB AB
```

```
L4  ANSWER 1 OF 13  CAPLUS  COPYRIGHT 2005 ACS on STN
SO  Infection and Immunity (2000), 68(12), 6840-6847
    CODEN: INFIBR; ISSN: 0019-9567
IT  225597-70-6, GenBank AF116907 296752-82-4, GenBank
    AP001204
    RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
        (Biological study)
        (nucleotide sequence; DNA sequence and comparison of virulence plasmids
        from Rhodococcus equi ATCC 33701 and 103)
```

AN 2001:374769 CAPLUS
 DN 136:96979
 TI DNA sequence and comparison of virulence plasmids from *Rhodococcus equi* ATCC 33701 and 103
 AU Takai, Shinji; Hines, Stephen A.; Sekizaki, Tsutomu; Nicholson, Vivian M.; Alperin, Debra A.; Osaki, Makoto; Takamatsu, Daisuke; Nakamura, Mutsu; Suzuki, Kayo; Ogino, Nobuko; Kakuda, Tsutomu; Dan, Hanhong; Prescott, John F.
 CS Department of Animal Hygiene, School of Veterinary Medicine and Animal Science, Kitasato University, Aomori, 034-8628, Japan
 SO Infection and Immunity (2000), 68(12), 6840-6847
 CODEN: INFIBR; ISSN: 0019-9567
 PB American Society for Microbiology
 DT Journal
 LA English
 AB The virulence plasmids of the equine virulent strains *Rhodococcus equi* ATCC 33701 and 103 were sequenced, and their genetic structure was analyzed. P33701 was 80,610 bp in length, and p103 was 1 bp shorter; their sequences were virtually identical. The plasmids contained 64 open reading frames (ORFs), 22 of which were homologous with genes of known function and 3 of which were homologous with putative genes of unknown function in other species. Putative functions were assigned to five ORFs based on protein family characteristics. The most striking feature of the virulence plasmids was the presence of a 27,536-bp pathogenicity island containing seven virulence-associated protein (vap) genes, including vapA.

These

vap genes have extensive homol. to vapA, which encodes a thermo-regulated and surface-expressed protein. The pathogenicity island contained a LysR family transcriptional regulator and a two-component response regulator upstream of six of the vap genes. The vap genes were present as a cluster of three (vapA, vapC, and vapD), as a pair (vapE and vapF), or individually (vapG; vapH). A region of extensive direct repeats of unknown function, possibly associated with thermoregulation, was present immediately upstream of the clustered and the paired genes but not the individual vap genes. There was extensive homol. among the C-terminal halves of all vap genes but not generally among the N-terminal halves. The remainder of the plasmid consisted of a large region which appears to be associated with conjugation functions and a large region which appears to be associated with replication and partitioning functions.

RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D L4 KWIC BIB AB 2-13

L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN
 SO Journal of Economic Entomology (1999), 92(2), 463-472
 CODEN: JEENAI; ISSN: 0022-0493
 IT 224349-06-8, GenBank AF006820 224350-52-1, GenBank AF007263
 224350-53-2, GenBank AF007264 224350-54-3, GenBank AF007265
 RL: PRP (Properties)
 (nucleotide sequence; mol.-based approach to differentiation of mealybug species)
 AN 1999:800266 CAPLUS
 DN 132:135079
 TI Molecular-based approach to the differentiation of mealybug (Hemiptera: Pseudococcidae) species
 AU Beuning, L. L.; Murphy, P.; Wu, E.; Batchelor, T. A.; Morris, B. A. M.
 CS Mt. Albert Research Centre, The Horticulture and Food Research Institute of New Zealand Limited, Auckland, N. Z.
 SO Journal of Economic Entomology (1999), 92(2), 463-472
 CODEN: JEENAI; ISSN: 0022-0493
 PB Entomological Society of America
 DT Journal

LA English
 AB The rDNA internal transcribed spacer (ITS) region of 4 mealybug species, *Pseudococcus viburni*, *P. longispinus*, *P. calceolariae*, and *P. similans*, was isolated by PCR amplification, cloned, and sequenced. In this region of the genome there were numerous differences, including nucleotide substitutions, insertions, or deletions between *P. viburni*, *P. longispinus*, and *P. calceolariae*, whereas *P. calceolariae* and *P. similans* were very similar. Based on sequence differences between the ITS regions, we designed PCR primers that were able to differentiate the 4 mealybug species and that correlated with morphol. differences found between adult females of these species. The PCR amplification by using the species-specific primers enabled the differentiation of not only adult females but also eggs, juveniles, and adult males, which was not previously possible by using conventional identification methods.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN
 SO Nature (London) (1998), 396(6707), 190-198
 CODEN: NATUAS; ISSN: 0028-0836

IT 123338-22-7, Antigen MPB 70 (*Mycobacterium* BCG subunit precursor reduced)
 123626-27-7, Antigen (*Mycobacterium tuberculosis* clone Y3147/Y3293
 15.1-kilodalton reduced) 128794-23-0, Antigen (*Mycobacterium tuberculosis* clone pAA26 38-kilodalton reduced) 133758-66-4, Protein (*Mycobacterium tuberculosis* clone pLWM2110 29.3-kilodalton) 133821-90-6
 136108-01-5, Antigen (*Mycobacterium tuberculosis* 32.0-kilodalton precursor reduced) 143079-43-0, Enzyme (*Mycobacterium tuberculosis* clone pEJ135 gene recA reduced) 144058-44-6, Antigen (*Mycobacterium tuberculosis* clone LO14.1/60.11 16.3-kilodalton) 147680-60-2 148197-35-7, Protein formation elongation factor Tu (*Mycobacterium tuberculosis* clone 59 gene tuf) 148500-49-6, Chaperonin 10 (*Mycobacterium tuberculosis* clone pRL4) 151185-45-4, Protein (*Mycobacterium* BCG strain Tokyo ribosome)
 152447-61-5 153065-70-4 153553-59-4 153554-09-7 156533-24-3
 157908-64-0 158651-59-3 161706-51-0 162394-21-0 167470-34-0
 169028-28-8 169028-30-2 171041-89-7 171042-44-7 171042-45-8
 171042-46-9 171042-47-0 171265-58-0 172076-24-3 172255-04-8
 173012-46-9 173012-48-1 173012-49-2 175138-54-2 175380-16-2,
 GenBank Z70692 176202-81-6 176227-70-6 176483-25-3, GenBank Z73101
 176800-82-1, GenBank Z73419 177117-08-7, GenBank Z73902 177511-70-5,
 GenBank Z73966 177893-19-5 177893-61-7 178097-34-2 178301-01-4,
 GenBank Z74024 178301-02-5, GenBank Z74025 178301-03-6, GenBank Z74020
 178303-47-4 178353-85-0, GenBank Z74410 178353-86-1, GenBank Z74697
 178661-13-7, GenBank Z75555 179302-56-8, GenBank Z77162 179302-57-9,
 GenBank Z77163 179302-58-0, GenBank Z77164 179302-59-1, GenBank Z77165
 179379-75-0, GenBank Z77250 179708-86-2, GenBank Z77826 179726-64-8,
 GenBank Z77724 179792-29-1, GenBank Z77137 179794-65-1,
 GenBank Z78020 180772-02-5, GenBank Z79700 180772-03-6, GenBank Z79701
 180772-04-7, GenBank Z79702 181014-48-2, GenBank Z80108 181205-39-0,
 GenBank Z80226 181205-40-3, GenBank Z80225 181290-46-0, GenBank Z80233
 181291-68-9, GenBank Z80343 181613-93-4, GenBank Z80775 182302-80-3,
 GenBank Z81011 182795-10-4, GenBank Z81331 182848-75-5, GenBank Z81360
 182861-94-5, GenBank Z81368 182911-97-3, GenBank Z81371 183102-96-7,
 GenBank Z82098 183102-97-8, GenBank Z81451 183780-86-1, GenBank Z83018
 183907-86-0 183971-97-3 184050-67-7 185283-18-5, GenBank Z83862
 185283-19-6, GenBank Z83863 185283-20-9, GenBank Z83857 185283-21-0,
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RL: PRP (Properties)

(deciphering the biol. of *Mycobacterium tuberculosis* from the complete genome sequence (Erratum))

AN 1998:773005 CAPLUS

DN 130:120325

TI Deciphering the biology of *Mycobacterium tuberculosis* from the complete genome sequence. [Erratum to document cited in CA129:77224]

AU Cole, S. T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris, D.; Gordon, S. V.; Eiglmeier, K.; Gas, S.; Barry, C. E., III; Tekai, F.; Badcock, K.; Basham, D.; Brown, D.; Chillingworth, T.; Connor, R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles, S.; Hamlin, N.; Holroyd, S.; Hornsby, T.; Jagels, K.; Krogh, A.; McLean, J.; Moule, S.; Murphy, L.; Oliver, K.; Osborne, J.; Quail, M. A.; Rajandream, M.-A.; Rogers, J.;

Rutter, S.; Seeger, K.; Skelton, J.; Squares, R.; Squares, S.; Sulston, J. E.; Taylor, K.; Whitehead, S.; Barrell, B. G.

CS Sanger Cent., Wellcome Trust Genome Campus, Hinxton, CB10 1SA, UK

SO Nature (London) (1998), 396(6707), 190-198

CODEN: NATUAS; ISSN: 0028-0836

PB Macmillan Magazines

DT Journal

LA English

AB Table 1 was published with some symbols missing; the correct version can be found at <http://www.sanger.ac.uk> and is given here. In Fig. 2, Rv0649 was incorrectly labeled as fadD37 instead of fabD2. Two of the genes for mycolyl transferases were inverted: Rv0129c encodes antigen 85C and not 85c' as stated, whereas Rv3803c codes for the secreted protein MPT51 and not antigen 85C (Infect. Immun. 59, 372-382; 1991); Rv3803c is now designated fbpD. The sequence of Rv0746 from M. bovis BCG-Pasteur presented in Fig. 5 b was incorrect and should have shown a 16-codon deletion instead of 29.

L4 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN

SO Nature (London) (1998), 393(6685), 537-544

CODEN: NATUAS; ISSN: 0028-0836

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RL: PRP (Properties)

(nucleotide sequence; deciphering the biol. of Mycobacterium tuberculosis from the complete genome sequence)

AN 1998:389708 CAPLUS

DN 129:77224

TI Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence

AU Cole, S. T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris, D.; Gordon, S. V.; Eiglmeier, K.; Gas, S.; Barry, C. E., III.; Tekaiia, F.; Badcock, K.; Basham, D.; Brown, D.; Chillingworth, T.; Connor, R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles, S.; Hamlin, N.; Holroyd, S.; Hornsby, T.; Jagels, K.; Krogh, A.; McLean, J.; Moule, S.; Murphy, L.; Oliver, K.; Osborne, J.; Quail, M. A.; Rajandream, M.-A.; Rogers, J.; Rutter, S.; Seeger, K.; Skelton, J.; Squares, R.; Squares, S.; Sulston, J. E.; Taylor, K.; Whitehead, S.; Barrell, B. G.

CS Sanger Cent., Wellcome Trust Genome Campus, Hinxton, CB10 1SA, UK

SO Nature (London) (1998), 393(6685), 537-544

CODEN: NATUAS; ISSN: 0028-0836

PB Macmillan Magazines

DT Journal

LA English

AB Countless millions of people have died from tuberculosis, a chronic infectious disease caused by the tubercle bacillus. The complete genome sequence of the best-characterized strain of Mycobacterium tuberculosis, H37Rv, was determined and analyzed in order to improve our understanding of the biol. of this slow-growing pathogen and to help the conception of new prophylactic and therapeutic interventions. The genome comprises 4,411,529 base pairs, contains around 4000 genes, and has a very high G+C content that is reflected in the biased amino acid content of the proteins. M. tuberculosis differs radically from other bacteria in that a very large portion of its coding capacity is devoted to the production of enzymes involved in lipogenesis and lipolysis, and to 2 new families of glycine-rich proteins with a repetitive structure that may represent a source of antigenic variation.

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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CAS REGISTRY NO. (RN): **620516-96-3**
JOURNAL (SO): Nature, 393 (6685), 537-544 (1998)
JOURNAL (SO): Microbiology (Reading, Engl.), 148 (PT 10), 2967-2973 (2002)
JOURNAL (SO): Submitted (11-JUN-1998) Submitted on behalf of the Mycobacterium. . .

L4 ANSWER 6 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): **296752-82-4**
JOURNAL (SO): Infect. Immun., 68 (12), 6840-6847 (2000)
JOURNAL (SO): Submitted (18-FEB-2000) Shinji Takai, Kitasato University, School of Veterinary Medicine and Animal Sciences, Department of Animal Hygiene; Higashi. . .

L4 ANSWER 7 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): **231129-75-2**
JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 96 (17), 9739-9744 (1999)

L4 ANSWER 8 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): **225597-70-6**
JOURNAL (SO): Can. J. Vet. Res., 59 (3), 229-231 (1995)
JOURNAL (SO): Plasmid, 38 (3), 180-187 (1997)
JOURNAL (SO): Infect. Immun., 68 (12), 6840-6847 (2000)
JOURNAL (SO): Submitted (06-JUN-1996) Pathobiology, University of Guelph, Ontario, WA N1G 2W1, Canada
JOURNAL (SO): Submitted (08-JUL-1998) Veterinary Microbiology and. . .

L4 ANSWER 9 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): **188090-39-3**
JOURNAL (SO): Science, 282 (5396), 2012-2018 (1998)
JOURNAL (SO): Submitted (27-MAR-1997) Nematode Sequencing Project, Sanger Institute, Hinxton, Cambridge CB10 1SA, England and Department of Genetics, Washington University,. . .

L4 ANSWER 10 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): **183101-48-6**
JOURNAL (SO): Science, 282 (5396), 2012-2018 (1998)
JOURNAL (SO): Submitted (06-NOV-1996) Nematode Sequencing Project, Sanger Institute, Hinxton, Cambridge CB10 1SA, England and Department of Genetics, Washington University,. . .

L4 ANSWER 11 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): **181614-65-3**
JOURNAL (SO): Science, 282 (5396), 2012-2018 (1998)
JOURNAL (SO): Unpublished (2001)
JOURNAL (SO): Submitted (15-SEP-1996) Department of Genetics, Washington University, Genome Sequencing Center, 4444 Forest Park Avenue,. . .

L4 ANSWER 12 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): **179794-65-1**

JOURNAL (SO): Nature., 393 (6685), 537-544 (1998)
JOURNAL (SO): Submitted (11-JUN-1998) Submitted on behalf of the
Mycobacterium tuberculosis sequencing and mapping
teams, Sanger Centre, Wellcome Trust Genome. . .

L4 ANSWER 13 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): 170550-83-1
JOURNAL (SO): Science, 282 (5396), 2012-2018 (1998)
JOURNAL (SO): Unpublished (2001)
JOURNAL (SO): Submitted (02-NOV-1995) Department of Genetics,
Washington University, Genome Sequencing Center, 4444
Forest Park Avenue, . . .

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FILE LAST UPDATED: 21 Jul 2005 (20050721/ED)
HIGHEST GRANTED PATENT NUMBER: US6920641
HIGHEST APPLICATION PUBLICATION NUMBER: US2005160510
CA INDEXING IS CURRENT THROUGH 21 Jul 2005 (20050721/UPCA)
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SEQ
*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***
```

```
SQL 27566993
```

```
L5      ANSWER 3 OF 125  REGISTRY  COPYRIGHT 2005 ACS on STN
```

```
SEQ
*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***
```

SQL 28434780

L5 ANSWER 4 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 36192742

L5 ANSWER 5 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 151 cattgtcaag gctgctatct acgaagtctt cgctccaaag ttgaccctc
201 gcgaacgttc gacangctgg tttggcctca actcgctggc aaaccctggg
=====

HITS AT: 199-211

SQL 683

L5 ANSWER 6 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 gaccctcgc gaacgttcga cagcttggtt tggcctcaac tcgctggcaa
=====

HITS AT: 57-69

SQL 552

L5 ANSWER 7 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 cccctccttc aggactaaga ccggtcgcga acgttcgaaa atgttgagga
=====

HITS AT: 125-137

SQL 839

L5 ANSWER 8 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 2551 tcaagtctat ggggttcgca aagttcgcga acgttcgcac tttttggcgg
169651 agttcgcgaa cgttcgcgaa catttttttt taggttcgct acatccctat
=====

HITS AT: 2575-2587, 169654-169666

SQL 205341

L5 ANSWER 9 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 27312902

L5 ANSWER 10 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 36907357

L5 ANSWER 11 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 28467033

L5 ANSWER 12 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 301 aggaagacct aatcaccgac ttagaagaga ccttcgcgaa cgttcgggcc
=====

HITS AT: 334-346
SQL 608

L5 ANSWER 13 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 551 cgcaaagttc gcgaacgttc gcactttttg gcggaagttc gcgaacgggt
== =====

HITS AT: 559-571
SQL 730

L5 ANSWER 14 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ
*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 3544776

L5 ANSWER 15 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 gtgcaggatt tcgaggagta tctcaacttg cagtcgcgaa cgttcgtgca
=====

HITS AT: 134-146
SQL 640

L5 ANSWER 16 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 ttcacgtgca ggatttcgag gagtatctca acttgacgtc gcgaacgttc
=====

301 gtgcagtatt accgctgcct gccattgtct ctctgaaga aggagaacgc
=

HITS AT: 289-301
SQL 671

L5 ANSWER 17 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 tcgcctcgga tgcgtcgca acgttcgatt tttttcatag acaagacgtt
=====

HITS AT: 265-277
SQL 536

L5 ANSWER 18 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 29301 aatcgatcgc cgaagtgcac gcctaccaga ccgacgtctt cgcaacgtt
=====

29351 cgggagcacg acgacgcctc ggttccctcc agtcgcgggt acgtcaaatt
==

HITS AT: 29340-29352
SQL 40909

L5 ANSWER 19 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 17801 tctatgggggt tcgcaaagtt cgcaacgtt cgacttttc ggcgaaagtt
= =====

HITS AT: 17820-17832
SQL 96260

L5 ANSWER 20 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 751 tcctctaaat gataagggtc aatggacttc tcgcaacgt tcggggggcg
=====

HITS AT: 781-793

SQL 1023

L5 ANSWER 21 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 3510148

L5 ANSWER 22 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 4403837

L5 ANSWER 23 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcgaacgttt c

=====

HITS AT: 1-13

SQL 21

L5 ANSWER 24 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcgaacgttc g

=====

HITS AT: 1-13

SQL 21

L5 ANSWER 25 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 108501 gtctatgggg ttcgcaaagt tcgcgaacgt tcgcactttc cggcgaaagt

=====

HITS AT: 108521-108533

SQL 178727

L5 ANSWER 26 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 851 cgtctggcgn acgcaatagt attattatgc gctgtcgcga acgttcgtct

=====

HITS AT: 885-897

SQL 1413

L5 ANSWER 27 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 tcagtcatca tgcgctgtcg cggtaccaac acatcgcgaa cgttcgaagc

=====

HITS AT: 284-296

SQL 759

L5 ANSWER 28 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 ctgtcgcggt accaacacat cgccaacgtt cgaagcggag aagttggttt

= =====

HITS AT: 420-432

SQL 754

L5 ANSWER 29 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 201 aatatacgcc ctaaaaccgt tattatcgct taactgcaat gttaagtatc

=====

251 gcgaacgttc ggaccgaata cgggcgcgag gtcgcggtta cttagatcac

=====

HITS AT: 249-261
SQL 1017

L5 ANSWER 30 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 52201 aaagttcgcg aacgttcgca ctttcgacg aaagttcgcg aacgggttcg
=====

125201 ctatggggtt cgcaaagttc gcgaacgttc gcactttccg acgaaagttc
== ===== =

HITS AT: 52206-52218, 125219-125231
SQL 196315

L5 ANSWER 31 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 ttcgtcgcta tctgatacat cgcgaaacgtt cgacattatc taattaaagg
= ===== =

HITS AT: 420-432
SQL 1345

L5 ANSWER 32 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 62551 tcgcgaacgt tcgatgcggc gagctattta cggtcgcttg gtgcggacac
=====

HITS AT: 62551-62563
SQL 290841

L5 ANSWER 33 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ
*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 905066

L5 ANSWER 34 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ
*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 823472

L5 ANSWER 35 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ
*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 811579

L5 ANSWER 36 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 196301 agatttaacc acagctatgt gaccgtcgcg aacgttcgat ctgaacaaat
=====

HITS AT: 196326-196338
SQL 264152

L5 ANSWER 37 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 ccacggaagt cggcacaccc tcgccgtttc gcgaacgttc ggtgcaggag
== ===== =

HITS AT: 429-441
SQL 1668

L5 ANSWER 38 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 451 gggtcggcca cggaagtcgg cacaccctcg ccgttttcgcg aacgttcggt

HITS AT: 486-498
SQL 1719

L5 ANSWER 39 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 136501 tcccatagaa gtctatgggg ttcgcaaagt tcggaacgt tcgcactttt
=====

HITS AT: 136531-136543
SQL 212769

L5 ANSWER 40 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 37501 attgaagtct atgaggttcg caaagttcgc gaacgttcgc actttttggc
=====

HITS AT: 37527-37539
SQL 146657

L5 ANSWER 41 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 57651 gatggagttt agatttaacc acagctatgt gaccgtcgcg aacgttcgat
=====

HITS AT: 57686-57698
SQL 140483

L5 ANSWER 42 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 301 gttcgccttc ccattgaagt ctatgggggt cgcaaagttc gcgaacgttc
=====

351 gcacttttcg gcgaaagttc gcgaacgggt tcggaacat tttttttttt
=

HITS AT: 339-351
SQL 1217

L5 ANSWER 43 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 301 gtttttaaagt tcgccttccc attgaagtct atgggggttg caaagttcgc
=====

351 gaacgttcgc acttttttgc ggaagttcgc aaactttttt tgcaaggttc
=====

HITS AT: 347-359
SQL 1105

L5 ANSWER 44 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 301 aggttttaaa gttcgccttc ccattgaagt ctatgggggt tgcaaagttc
=====

351 gcgaacgttc gcactttttt gcggaagttc gcaaactttt tttgcaagggt
=====

HITS AT: 349-361
SQL 1094

L5 ANSWER 45 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 201 tgaagtctat ggggttcgca aagttcgcga acgttcgcac ttttcggcga
=====

HITS AT: 225-237
SQL 889

L5 ANSWER 46 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 201 gttcgcaaag ttcgcgaacg ttcgcacttt tcggcgaaag ttcgcgaaca
=====

HITS AT: 212-224

SQL 958

L5 ANSWER 47 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 ttgaagtcta tgggggttcgc aaagttcgcg aacgttcgca cttttcggcg
=====

HITS AT: 276-288

SQL 1004

L5 ANSWER 48 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 atgggggttcg caaagttcgc gaacgttcgc acttttcggc gaaagttcgc
=====

HITS AT: 267-279

SQL 1007

L5 ANSWER 49 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 gtttttaaagt tcgccttccc attgaagtct atgggggttcg caaagttcgc
=====

151 gaacgttcgc actttttggc ggaagttcgc gaacgggttc gcaaactttt
=====

HITS AT: 147-159

SQL 900

L5 ANSWER 50 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 acatcgcgaa cgttcgaagc ggagaagttg gtttgaactc catcgaagac
=====

HITS AT: 404-416

SQL 1428

L5 ANSWER 51 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 146551 gccagcgagc ggcgcgtcga tcgcgaacgt tcgccatcgc ggcggccagt
=====

HITS AT: 146571-146583

SQL 349737

L5 ANSWER 52 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 2201 ggggccacgc gtccccgctc gcgaacgttc ggtaggggac cacctggcgg
=====

HITS AT: 2219-2231

SQL 346186

L5 ANSWER 53 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 tttggagccc aaccaagagt catcggactc accatgtcgc gaacgttcga
=====

HITS AT: 137-149

SQL 283

L5 ANSWER 54 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 74151 actgttttcgc gaacgttcgc ggactagacc caccctgatt acgtggtgtc
=====

HITS AT: 74157-74169

SQL 139217

L5 ANSWER 55 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 cagaactctc gcccgcgccct tcgcgaacgt tcgccgccac gtcaccttac
=====

HITS AT: 71-83
SQL 781

L5 ANSWER 56 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 501 gccttcgcga acgttcgccg ccacgtcacc ttaccgcgc ccgattaaa
=====

HITS AT: 505-517
SQL 831

L5 ANSWER 57 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 501 aacgcgacta cttgcgggttc gcgttcgcga acgttcgcgc gcagcgtcgcg
=====

HITS AT: 525-537
SQL 655

L5 ANSWER 58 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 atccgagctg agaatccttg gaataatcgc gaacgttcgt tttattgcag
=====

HITS AT: 127-139
SQL 220

L5 ANSWER 59 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 gaatccttgg aataatcgcg aacgttcgtt ttattgcagg acacacatca
=====

HITS AT: 116-128
SQL 442

L5 ANSWER 60 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 aatccttggg ataatcgcga acgttcgttt tattgcagga cacacatcaa
=====

HITS AT: 65-77
SQL 374

L5 ANSWER 61 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 atccgagctg agaatccttg gaataatcgc gaacgttcgt tttattgcag
=====

HITS AT: 127-139
SQL 449

L5 ANSWER 62 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 ccagttgaaa aaactcgcga acgttcgtca cgttcggcat cgaaagagga
=====

HITS AT: 115-127
SQL 616

L5 ANSWER 63 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 ccgcgccttc gcgaacgttc gccgccacgt caccttacct gctcccggat
=====

HITS AT: 109-121
SQL 672

L5 ANSWER 64 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 42751 tcgcgaacgt tcggtgcggg ctcgatcaag ccaagccggc gagttccgtt
=====

HITS AT: 42751-42763

SQL 300350

L5 ANSWER 65 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 288901 ccggttactc cgccgtgctc ttcaatccga cggacgcgga tggttcgatc ==
288951 gcgaacgttc gtcgagcgaa agaagccggc gtgcccgtgt tctgcatgga
===== =

HITS AT: 288949-288961

SQL 321950

L5 ANSWER 66 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 114801 cggcaggtca gcaagaagag aatggtggcg acggtgagcg tgcaccttc ==
114851 gcgaacgttc ggagatttgc cggtcagtgt tagcagcacg taggcaatca
===== =

HITS AT: 114849-114861

SQL 340750

L5 ANSWER 67 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 157251 gactaggggc cacgcgtccc cgctcgcgaa cggtcggtag gggaccacct
===== =====

HITS AT: 157274-157286

SQL 291050

L5 ANSWER 68 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 55801 tcccattgaa gtctatgggg ttcgcaaagt tcgcaacgt tcgcactttc
===== ==

HITS AT: 55831-55843

SQL 89767

L5 ANSWER 69 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 26151 ccattgaagt ctatgggggt cgcaaagttc gcgaacgttc gcactttccg
== ===== =

HITS AT: 26179-26191

SQL 71786

L5 ANSWER 70 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 8651 gcatcctgtc caaggaggag ttcacgcgca acgttcggaa tgatgcggcc
===== =====

HITS AT: 8675-8687

SQL 11375

L5 ANSWER 71 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 8651 gcatcctgtc caaggaggag ttcacgcgca acgttcggaa tgatgcggcc
===== =====

HITS AT: 8675-8687

SQL 11375

L5 ANSWER 72 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 166201 tggttcgcca acgttcgtcc agggacgacg ggattatttg aagagtatcc
===== =====

HITS AT: 166205-166217

SQL 167539

L5 ANSWER 73 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 ctgtcgcggt accaacacat cgcgaaacgtt cgaagcggag aagttggttt
= ===== ==
HITS AT: 420-432
SQL 642

L5 ANSWER 74 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcg
===== ==
HITS AT: 1-13

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SQL 13

L5 ANSWER 75 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 25501 aacggaatcc gatccctcgc gaacgttcgg gacggacggt ttgggctggg
===== =====
HITS AT: 25517-25529
SQL 162711

L5 ANSWER 76 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 61601 tgcggtaagc actacggcga ccagcatcat taacagtcgc gaacgttcga
===== =====
HITS AT: 61637-61649
SQL 300413

L5 ANSWER 77 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 451 ccctcgccgt ttcgcgaacg ttcggtgcag gagaacctcg acctgttcgg
===== =====
HITS AT: 462-474
SQL 1707

L5 ANSWER 78 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 gcggtaccaa cacatcgcca acgttcgaag cggagaagtt ggtttgaact
===== =====
HITS AT: 415-427
SQL 696

L5 ANSWER 79 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 196501 accacagcta tgtgaccgtc gcgaacgttc gatctgaaca aatactattc
== ===== =
HITS AT: 196519-196531
SQL 222376

L5 ANSWER 80 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 tggcgtcagt catcatgcgc tgtcgcggta ccaacacatc gcgaacgttc
== =====
451 gaagcggaga agttggtttg aactccatcg aagacaaccc gtcttataat
=
HITS AT: 439-451
SQL 1626

L5 ANSWER 81 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 201 gggcaagtat tgcgacgccg tcatggaatg ttgtatctcg cgaacgttcg
===== =====
HITS AT: 238-250
SQL 556

L5 ANSWER 82 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 6874

L5 ANSWER 83 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 tcaagaactc ggtctcgca acgttcgcgc gatcgtcgca ctctccgc
=====

HITS AT: 265-277

SQL 565

L5 ANSWER 84 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcg
=====

HITS AT: 1-13

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 13

L5 ANSWER 85 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcg
=====

HITS AT: 1-13

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 13

L5 ANSWER 86 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 851 aaaaccgaac tcgcgaacgt tcgaaccgcg cgtaaacga aactacactc
=====

HITS AT: 861-873

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 1024

L5 ANSWER 87 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 151 gcgaggattt ttcgggcgtc gcgaacgttc gttcgttcgt tcgttcgttc
=====

HITS AT: 169-181

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 734

L5 ANSWER 88 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 351 acgggagagc ggggtagttt cggaattgtg agaggcgaga cgtcgcgaac
=====

401 gttcggagcg cggaatttc ggagtcgcga gattgtagta gcggcggtcg
=====

HITS AT: 393-405

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 549

L5 ANSWER 89 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 851 aaaaccgaac tcgcgaacgt tcgaaccgcg cgtaaaacga aactacactc
=====

HITS AT: 861-873

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 1024

L5 ANSWER 90 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 151 gcgaggattt ttcgggcgtc gcgaacgttc gttcgttcgt tcgttcgttc
=====

HITS AT: 169-181

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 734

L5 ANSWER 91 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 351 acgggagagc ggggtagttt cggaattgtg agaggcgaga cgtcgcgaac
=====

401 gttcggagcg cggaatttc ggagtcgcga gattgtagta gcggcggtcg
=====

HITS AT: 393-405

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 549

L5 ANSWER 92 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 acgtccttta cttgacggct ctttgctgt cgcgaaacgtt cgtcgggtgcc
=====

HITS AT: 80-92

SQL 167

L5 ANSWER 93 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 6874

L5 ANSWER 94 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 6874

L5 ANSWER 95 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 78251 ttctcgcgaa cgttcgtggc tgtttcccggt gtagggtagt acgcctacta
=====

HITS AT: 78254-78266

SQL 127917

L5 ANSWER 96 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 acacatcgcg aacgttcgaa gcggagaagt tggtttgaac tccatcgaag

=====

HITS AT: 406-418
SQL 537

L5 ANSWER 97 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SQL 6874

L5 ANSWER 98 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 451 attaggttgc gatcgcgaaac gttcgatttt ttttaggagt cgtagcgagc
=====

HITS AT: 463-475

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SQL 803

L5 ANSWER 99 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 451 attaggttgc gatcgcgaaac gttcgatttt ttttaggagt cgtagcgagc
=====

HITS AT: 463-475

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SQL 803

L5 ANSWER 100 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 501 gttttgtttg tgcgagactc ccagctttcc cagaaaattt tcgcgaaacgt
=====

551 tcgtcccgac gcatttcac t
=====

HITS AT: 541-553
SQL 571

L5 ANSWER 101 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 gcgctgtcgc ggtaccaaca catcgcgaaac gttcgaagcg gagaagttgg
=====

HITS AT: 423-435
SQL 474

L5 ANSWER 102 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SQL 6874

L5 ANSWER 103 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SQL 6874

L5 ANSWER 104 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 gtcctttact tgacggctct ttgcctgtcg cgaacgttcg tcggtgccca
=====

HITS AT: 78-90

SQL 160

L5 ANSWER 105 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 6874

L5 ANSWER 106 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 6874

L5 ANSWER 107 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 6874

L5 ANSWER 108 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 4403765

L5 ANSWER 109 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 4411529

L5 ANSWER 110 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta
=====

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 6874

L5 ANSWER 111 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 11851 gtccccgctc gcgaacgttc ggtaggggac cacctggcgg tacggcggcg
=====

HITS AT: 11859-11871

SQL 15663

L5 ANSWER 112 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 cgtcaagaaa gttgatgacg ttaccggtga aaaagttcgc gaacgttcga
=====

HITS AT: 137-149

SQL 503

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SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 2727709

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SEQ 39151 tcggcgcagg ttctcgcgaa cgttcggggc ggagtgcggt cggagggagc
=====

HITS AT: 39164-39176

SQL 80610

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SEQ 501 ctcttgtaat tcgcctcgta attgttgaa aattcgcgaa cgttcgatat
=====

HITS AT: 534-546

SQL 845

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SEQ 401 tacgaaaacc gtagtgatc gaatatatta tcgatgtggc tcggggtcgc
=====

451 gaacgttcgt aaggccgcac aaatgtagtc gtgatatttc tgagacgtgc
=====

HITS AT: 447-459

SQL 1560

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SEQ 351 tgactaatgt gtctctgatg atatatgatt atgtactgcg atgtcgcgaa
=====

401 cgttcgtacg tcgattacga tacggaactc gatactagcg cgtatacgac
=====

HITS AT: 394-406

SQL 745

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SEQ 39151 cggcgcagg tctcgcgaac gttcggggcg gagtgcggtc ggagggagcg
=====

HITS AT: 39163-39175

SQL 80609

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SEQ 751 tgggcgtgcg cctctcgggg tgccgtttcg cgaacgttcg ttgaaatact
=====

HITS AT: 778-790

SQL 1364

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SEQ 751 gggcgtgcgc ctctcggggg gccgtttcgc gaacgttcgt tgaaatacta

HITS AT: 777-789
SQL 1363

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SEQ 14251 ttctccgacg atctagcagg tgggaaaatt cgcgaacgtt cgttggtctg
= =====

HITS AT: 14280-14292
SQL 33451

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SEQ 4301 cacacgcgag tcgcgaacgt tcgcaaactg cacatgtctc actcctctgc
=====

HITS AT: 4311-4323
SQL 29731

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SEQ 7601 tatttacaca ttgtccagcg caatgtgcac attgcgactc gcgaacgttc
= =====
7651 gccatatcca cattgcaaatt gtctattttc atgatgcact aaagcctaatt
=

HITS AT: 7639-7651
SQL 7776

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SEQ 24551 aggggccacg cgtccccgct cgcgaacgtt cggtagggga ccacctggcg
= =====

HITS AT: 24570-24582
SQL 30850

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SEQ 4851 gcacattgcg actcgcgaac gttcgccata tccacattgc aaatgtctat
=====

HITS AT: 4863-4875
SQL 41628

=> D L5 RN 1-125

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=> LOGOFF Y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
707.15	966.70

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.92

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